CLAIMS

I claim:

1. A support for a survey rod, which comprises:

a grip;

a first leg rotatably attached to said grip;

a second leg rotatably attached to said grip;

a means for slidably mounting said grip;

a means for extending and retracting said first leg and said second leg;

a means for mounting said extending and retracting means; and

a means for fastening said means for mounting said extending and retracting means.

2. The support for a survey rod as recited in claim 1, wherein:

said means for fastening said means for mounting said extending and retracting means is releasable.

3. A support for a survey rod, which comprises:

a grip containing an aperture;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first spring rod having a first end and a second end with the second end of said first spring rod attached to said first leg below the point of rotation for said first leg;

a second spring rod having a first end and a second end with the second end of said second spring rod attached to said second leg below the point of rotation for said second leg; and

a collar having an aperture and also a releasable fastener, said collar being attached to the first end of said first spring rod and to the first end of said second spring rod with the second end of said first spring rod being farther from an axis running between said collar and said grip than is the first end of said first spring rod and with the

second end of said second spring rod being farther from an axis running between said collar and said grip than is the first end of said second spring rod.

4. The support for a survey rod as recited in claim 3, wherein:

said first spring rod is resilient; and

said second spring rod is resilient.

5. The support for a survey rod as recited in claim 4, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

6. The support for a survey rod as recited in claim 5, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

7. The support for a survey rod as recited in claim 4, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

8. The support for a survey rod as recited in claim 3, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

9. The support for a survey rod as recited in claim 8, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

10. The support for a survey rod as recited in claim 3, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

11. The support for a survey rod as recited in claim 3, wherein:

said first spring rod is rigid;

the attachment of said first spring rod to said first leg is a rotatable attachment;

the attachment of said first spring rod to said collar is a rotatable attachment;

said second spring rod is rigid;

the attachment of said second spring rod to said second leg is a rotatable attachment; and

the attachment of said second spring rod to said collar is a rotatable attachment.

12. A support for a survey rod, which comprises:

a grip containing an aperture;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip and also with the first end of said first leg having a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip and also with the first end of said second leg having a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg;

a first resilient spring rod having a first end and a second end with the second end of said first resilient spring rod rotatably attached to said first leg below the point of rotation for said first leg;

a second resilient spring rod having a first end and a second end with the second end of said second resient spring rod rotatably attached to said second leg below the point of rotation for said second leg; and

a collar having an aperture and also a releasable fastener, said collar being attached to the first end of said first resilient spring rod and to the first end of said second resilient spring rod with the second end of said first spring rod being farther from an axis running between said collar and said grip than is the first end of said first spring rod and with the second end of said second spring rod being farther from an axis running between said collar and said grip than is the first end of said second spring rod.

13. A support for a survey rod, which comprises:

a grip containing an aperture;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first rigid spring rod having a first end and a second end with the second end of said first rigid spring rod rotatably attached to said first leg below the point of rotation for said first leg;

a second rigid spring rod having a first end and a second end with the second end of said second rigid spring rod attached to said second leg below the point of rotation for said second leg; and

a collar having an aperture and also a releasable fastener, said collar being rotatably attached to the first end of said first rigid spring rod and to the first end of said second rigid spring rod with the second end of said first spring rod being farther from an axis running between said collar and said grip than is the first end of said first spring rod and with the second end of said second spring rod being farther from an axis running between said collar and said grip than is the first end of said second spring rod.

14. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first spring rod having a first end and a second end with the first end of said first spring rod attached to said survey rod below said grip and with the second end of said first spring rod attached to said first leg below the point of rotation for said first leg;

a second spring rod having a first end and a second end the first end of said second spring rod attached to said survey rod below said grip and with the second end of said second spring rod attached to said second leg below the point of rotation for said second leg with the second end of said first spring rod being farther from an axis running between said collar and said grip than is the first end of said first spring rod and with the second end of said second spring rod being farther from an axis running between said collar and said grip than is the first end of said second spring rod.

15. The support for a survey rod as recited in claim 14, wherein:

said first spring rod is resilient; and

said second spring rod is resilient.

16. The support for a survey rod as recited in claim 15, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

17. The support for a survey rod as recited in claim 12, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

18. The support for a survey rod as recited in claim 15, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

19. The support for a survey rod as recited in claim 14, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

20. The support for a survey rod as recited in claim 19, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

21. The support for a survey rod as recited in claim 14, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

22. The support for a survey rod as recited in claim 14, wherein:

said first spring rod is rigid;

the attachment of said first spring rod to said first leg is a rotatable attachment;

the attachment of said first spring rod to said survey rod is a rotatable attachment;

said second spring rod is rigid;

the attachment of said second spring rod to said second leg is a rotatable attachment; and

the attachment of said second spring rod to said survey rod is a rotatable attachment.

23. The support for a survey rod as recited in claim 14, wherein

the attachment of said first spring rod to said survey rod is a releasable attachment; and

the attachment of said second spring rod to said survey rod is a releasable attachment.

24. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first spring rod having a first end and a second end with the second end of said first spring rod attached to said first leg below the point of rotation for said first leg;

a second spring rod having a first end and a second end with the second end of said second spring rod attached to said second leg below the point of rotation for said second leg; and

a collar attached to said survey rod below said grip, said collar also being attached to the first end of said first spring rod and to the first end of said second spring rod with the second end of said first spring rod being farther from an axis running between said collar and said grip than is the first end of said first spring rod and with the second end of said second spring rod being farther from an axis running between said collar and said grip than is the first end of said second spring rod.

25. The support for a survey rod as recited in claim 24, wherein:

said first spring rod is resilient; and

said second spring rod is resilient.

26. The support for a survey rod as recited in claim 25, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

27. The support for a survey rod as recited in claim 26, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

28. The support for a survey rod as recited in claim 25, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

29. The support for a survey rod as recited in claim 24, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

30. The support for a survey rod as recited in claim 29, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

31. The support for a survey rod as recited in claim 24, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

32. The support for a survey rod as recited in claim 24, wherein:

said first spring rod is rigid;

the attachment of said first spring rod to said first leg is a rotatable attachment;

the attachment of said first spring rod to said collar is a rotatable attachment;

said second spring rod is rigid;

the attachment of said second spring rod to said second leg is a rotatable attachment; and

the attachment of said second spring rod to said collar is a rotatable attachment.

33. The support for a survey rod as recited in claim 24, wherein:

the attachment of said collar to said survey rod is releasable.

34. The support for a survey rod as recited in claim 33, wherein:

said first spring rod is resilient; and

said second spring rod is resilient.

35. The support for a survey rod as recited in claim 36, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

36. The support for a survey rod as recited in claim 35, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

37. The support for a survey rod as recited in claim 34, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

38. The support for a survey rod as recited in claim 33, wherein:

the attachment of said first spring rod to said first leg is a rotatable attachment; and

the attachment of said second spring rod to said second leg is a rotatable attachment.

39. The support for a survey rod as recited in claim 38, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

40. The support for a survey rod as recited in claim 33, wherein:

the first end of said first leg has a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg; and

the first end of said second leg has a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg.

41. The support for a survey rod as recited in claim 33, wherein:

said first spring rod is rigid;

the attachment of said first spring rod to said first leg is a rotatable attachment;

the attachment of said first spring rod to said collar is a rotatable attachment;

said second spring rod is rigid;

the attachment of said second spring rod to said second leg is a rotatable attachment; and

the attachment of said second spring rod to said collar is a rotatable attachment.

42. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip and also with the first end of said first leg having a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip and also with the first end of said second leg having a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg;

a first resilient spring rod having a first end and a second end with the first end of said first resilient spring rod attached to said survey rod below said grip and with the second end of said first resilient spring rod rotatably attached to said first leg below the point of rotation for said first leg; and

a second resilient spring rod having a first end and a second end the first end of said second resilient spring rod attached to said survey rod below said grip and with the second end of said second resilient spring rod rotatably attached to said second leg below the point of rotation for said second leg with the second end of said first spring rod being farther from said survey rod than is the first end of said first spring rod and with the second end of said second spring rod being farther from said survey rod than is the first end of said second spring rod.

43. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first rigid spring rod having a first end and a second end with the first end of said first rigid spring rod rotatably attached to said survey rod below said grip and with the second end of said first rigid spring rod rotatably attached to said first leg below the point of rotation for said first leg; and

a second rigid spring rod having a first end and a second end the first end of said second rigid spring rod rotatably attached to said survey rod below said grip and with the second end of said second rigid spring rod rotatably attached to said second leg below the point of rotation for said second leg with the second end of said first spring rod being farther from said survey rod than is the first end of said first spring rod and with the second end of said second spring rod being farther from said survey rod than is the first end of said second spring rod.

44. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip and also with the first end of said first leg having a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip and also with the first end of said second leg having a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg;

a first resilient spring rod having a first end and a second end with the second end of said first resilient spring rod rotatably attached to said first leg below the point of rotation for said first leg;

a second resilient spring rod having a first end and a second end with the second end of said second resilient spring rod rotatably attached to said second leg below the point of rotation for said second leg; and

a collar attached to said survey rod below said grip, said collar also being attached to the first end of said first resilient spring rod and to the first end of said second resilient

spring rod with the second end of said first spring rod being farther from said survey rod than is the first end of said first spring rod and with the second end of said second spring rod being farther from said survey rod than is the first end of said second spring rod.

45. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first rigid spring rod having a first end and a second end with the second end of said first rigid spring rod rotatably attached to said first leg below the point of rotation for said first leg;

a second rigid spring rod having a first end and a second end with the second end of said second rigid spring rod rotatably attached to said second leg below the point of rotation for said second leg; and

a collar attached to said survey rod below said grip, said collar also being rotatably attached to the first end of said first rigid spring rod and to the first end of said second rigid spring rod with the second end of said first spring rod being farther from said survey rod than is the first end of said first spring rod and with the second end of said second spring rod being farther from said survey rod than is the first end of said second spring rod.

46. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip and also with the first end of said first leg having a bevel that rotates toward and eventually against said grip as said first leg is extended, thereby limiting the extension of said first leg;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip and also with the first end of said second leg having a bevel that rotates toward and eventually against said grip as said second leg is extended, thereby limiting the extension of said second leg;

a first resilient spring rod having a first end and a second end with the second end of said first resilient spring rod rotatably attached to said first leg below the point of rotation for said first leg;

a second resilient spring rod having a first end and a second end with the second end of said second resilient spring rod rotatably attached to said second leg below the point of rotation for said second leg; and

a collar releasably attached to said survey rod below said grip, said collar also being attached to the first end of said first resilient spring rod and to the first end of said second resilient spring rod with the second end of said first spring rod being farther from said survey rod than is the first end of said first spring rod and with the second end of said second spring rod being farther from said survey rod than is the first end of said second spring rod.

47. A support for a survey rod, which comprises:

a survey rod;

a grip slidably mounted on said survey rod;

a first leg having a first end and a second end with the first end of said first leg rotatably attached at a point of rotation to said grip;

a second leg having a first end and a second end with the first end of said second leg rotatably attached at a point of rotation to said grip;

a first rigid spring rod having a first end and a second end with the second end of said first rigid spring rod rotatably attached to said first leg below the point of rotation for said first leg;

a second rigid spring rod having a first end and a second end with the second end of said second rigid spring rod rotatably attached to said second leg below the point of rotation for said second leg; and

a collar releasably attached to said survey rod below said grip, said collar also being rotatably attached to the first end of said first rigid spring rod and to the first end of said second rigid spring rod with the second end of said first spring rod being farther from said survey rod than is the first end of said first spring rod and with the second end of said second spring rod being farther from said survey rod than is the first end of said second spring rod.